

612.41242X00  
4776/00/JC

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: HU, Lin-Ying

Serial No.:

Filed: March 7, 2002

For: Method For Gradually Deforming An Initial Object Distribution  
In A Heterogeneous Medium, Generated by Simulation Of An  
Object Type Stochastic Model, To Best Adapt It To  
Imposed Physical Constraints

Group:

Examiner:

**PRELIMINARY AMENDMENT**

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

March 7, 2002

Sir:

Prior to examination on the merits of this application and prior to calculation of the filing fee, please amend the above-identified application as follows:

**IN THE SPECIFICATION:**

Page 6, the second and third paragraphs of the specification have been amended as follows:

Figure 3 shows the possible domains of migration of a disk in the case of three conditioning points;

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Figures 4A to 4H show various successive stages of a realization of the non-stationary Poisson point process during the gradual migration of the points;

IN THE CLAIMS:

Please amend the claims to read as follows:

3. (Amended) A method as claimed in claim 1, characterized in that one gradually changes from a realization containing a first set of  $N_1$  points to a realization containing a second set of  $N_2$  points by constructing a chain  $N(t)$  of Poisson numbers between the two numbers  $N_1$  and  $N_2$  using the gradual deformation procedure.
4. (Amended) A method as claimed in claim 1, characterized in that the size, the shape and the orientation of an object are gradually modified during its migration using the gradual deformation procedure.
5. (Amended) A method as claimed in claim 1, characterized in that point density  $((x))$  is gradually adjusted using the gradual deformation procedure.

Please insert new claims 6-14 as follows:

6. (New) A method as claimed in claim 2, characterized in that one gradually changes from a realization containing a first set of  $N_1$  points to a realization containing a second set of  $N_2$  points by constructing a chain  $N(t)$  of Poisson numbers between the two numbers  $N_1$  and  $N_2$  using the gradual deformation procedure.

7. (New) A method as claimed in claim 2, characterized in that the size, the shape and the orientation of an object are gradually modified during its migration using the gradual deformation procedure.
8. (Amended) A method as claimed in claim 3, characterized in that the size, the shape and the orientation of an object are gradually modified during its migration using the gradual deformation procedure.
9. (New) A method as claimed in claim 2, characterized in that point density ((x) is gradually adjusted using the gradual deformation procedure.
10. (New) A method as claimed in claim 3, characterized in that point density ((x) is gradually adjusted using the gradual deformation procedure.
11. (Amended) A method as claimed in claim 4, characterized in that point density ((x) is gradually adjusted using the gradual deformation procedure.
12. (New) A method as claimed in claim 6, characterized in that point density ((x) is gradually adjusted using the gradual deformation procedure.
13. (New) A method as claimed in claim 7, characterized in that point density ((x) is gradually adjusted using the gradual deformation procedure.
14. (New) A method as claimed in claim 8, characterized in that point density ((x) is gradually adjusted using the gradual deformation procedure.

#### REMARKS

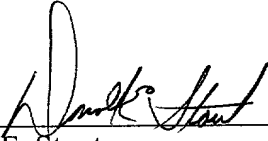
The foregoing amendments are respectfully requested prior to examination on the merits of this application. A marked up copy of the amended claims is attached.

The specification has been amended to conform the Description of the Drawings to the drawings.

To the extent necessary, applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (Case: 612.41242X00), and please credit any excess fees to such deposit account.

Respectfully submitted,

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IN THE SPECIFICATION:

Page 6, the second and third paragraphs were amended as follows:

~~Figures 3A to 3H show various successive stages of a realization of the non-stationary Poisson point process during the gradual migration of the points;~~

~~Figure 4 shows the possible domains of migration of a disk in the case of three conditioning points;~~

Figure 3 shows the possible domains of migration of a disk in the case of three conditioning points;

Figures 4A to 4H show various successive stages of a realization of the non-stationary Poisson point process during the gradual migration of the points;

IN THE CLAIMS:

3. (Amended) A method as claimed in claim 1 ~~or 2~~, characterized in that one gradually changes from a realization containing a first set of  $N_1$  points to a realization containing a second set of  $N_2$  points by constructing a chain  $N(t)$  of Poisson numbers between the two numbers  $N_1$  and  $N_2$  using the gradual deformation procedure.

4. (Amended) A method as claimed in ~~any one of claims 1 to 3~~ claim 1, characterized in that the size, the shape and the orientation of an object are gradually modified during its migration using the gradual deformation procedure.

5. (Amended) A method as claimed in ~~any one of claims 1 to 4~~ claim 1, characterized in that point density  $((x))$  is gradually adjusted using the gradual deformation procedure.